

LAB CHRONICLE

OrderID:	Q3032	OrderDate:	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	Project:	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-02	SOIL-PILE-1	TCLP	TCLP VOA	8260D	09/05/25		09/08/25	09/05/25
Q3032-03	SOIL-PILE-1	SOIL	VOC-TCLVOA-10	8260D	09/05/25		09/05/25	09/05/25
Q3032-05	SOIL-PILE-2	TCLP	TCLP VOA	8260D	09/05/25		09/08/25	09/05/25
Q3032-06	SOIL-PILE-2	SOIL	VOC-TCLVOA-10	8260D	09/05/25		09/05/25	09/05/25



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3032
Client: Zuccaro Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:				0				
Total Voc :								
Total Concentration:								



SAMPLE DATA

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.82	U	0.82	3.60	ug/Kg
74-87-3	Chloromethane	0.82	U	0.82	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	0.76	U	0.76	3.60	ug/Kg
75-00-3	Chloroethane	0.90	U	0.90	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	3.60	ug/Kg
67-64-1	Acetone	3.40	U	3.40	17.9	ug/Kg
75-15-0	Carbon Disulfide	0.76	U	0.76	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	3.60	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.60	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.61	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.57	U	0.57	3.60	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	3.60	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	17.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	3.60	ug/Kg
74-97-5	Bromochloromethane	0.82	U	0.82	3.60	ug/Kg
67-66-3	Chloroform	0.60	U	0.60	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.66	U	0.66	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.65	U	0.65	3.60	ug/Kg
71-43-2	Benzene	0.56	U	0.56	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	3.60	ug/Kg
79-01-6	Trichloroethene	0.58	U	0.58	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	17.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	3.60	ug/Kg

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.46	U	0.46	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	3.60	ug/Kg
591-78-6	2-Hexanone	2.60	U	2.60	17.9	ug/Kg
124-48-1	Dibromochloromethane	0.62	U	0.62	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	3.60	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.48	U	0.48	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.89	U	0.89	7.10	ug/Kg
95-47-6	o-Xylene	0.59	U	0.59	3.60	ug/Kg
100-42-5	Styrene	0.51	U	0.51	3.60	ug/Kg
75-25-2	Bromoform	0.61	U	0.61	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.00	U	1.00	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.10	U	2.10	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (63) - 130 (155)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (17) - 130 (146)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	583000	7.707			
540-36-3	1,4-Difluorobenzene	1100000	8.615			
3114-55-4	Chlorobenzene-d5	1010000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	418000	13.346			

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.00	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.1	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.1	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.00	ug/Kg

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.1	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	571000	7.707			
540-36-3	1,4-Difluorobenzene	1070000	8.615			
3114-55-4	Chlorobenzene-d5	983000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	402000	13.346			

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3032**

Client: **Zuccaro Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3032-03	SOIL-PILE-1	1,2-Dichloroethane-d4	50	56.9	114		70 (63)	130 (155)
		Dibromofluoromethane	50	54.5	109		70 (70)	130 (134)
		Toluene-d8	50	50.6	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.4	99		70 (17)	130 (146)
Q3032-06	SOIL-PILE-2	1,2-Dichloroethane-d4	50	56.5	113		70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.9	98		70 (17)	130 (146)
VY0905SBL01	VY0905SBL01	1,2-Dichloroethane-d4	50	55.3	111		70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109		70 (70)	130 (134)
		Toluene-d8	50	51.1	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.6	95		70 (17)	130 (146)
VY0905SBS01	VY0905SBS01	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	53.2	106		70 (70)	130 (134)
		Toluene-d8	50	50.9	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.1	102		70 (17)	130 (146)
VY0905SBSD01	VY0905SBSD01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	56.0	112		70 (70)	130 (134)
		Toluene-d8	50	54.3	109		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.3	107		70 (17)	130 (146)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3032</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>VY023292.D</u>	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0905SBS01	Dichlorodifluoromethane	20	19.7	ug/Kg	99			40 (64)	160 (136)	
	Chloromethane	20	18.5	ug/Kg	93			40 (52)	160 (151)	
	Vinyl chloride	20	19.3	ug/Kg	97			70 (56)	130 (148)	
	Bromomethane	20	22.1	ug/Kg	111			40 (58)	160 (141)	
	Chloroethane	20	20.1	ug/Kg	101			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.3	ug/Kg	102			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.9	ug/Kg	100			70 (79)	130 (121)	
	Acetone	100	150	ug/Kg	150			40 (40)	160 (171)	
	Carbon disulfide	20	18.5	ug/Kg	93			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			70 (77)	130 (129)	
	Methyl Acetate	20	18.5	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.8	ug/Kg	99			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.4	ug/Kg	97			70 (82)	130 (123)	
	Cyclohexane	20	17.1	ug/Kg	86			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	19.8	ug/Kg	99			70 (80)	130 (127)	
	Chloroform	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	19.0	ug/Kg	95			70 (77)	130 (123)	
	Benzene	20	20.5	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	22.4	ug/Kg	112			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	21.5	ug/Kg	108			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.8	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	22.5	ug/Kg	113			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.9	ug/Kg	110			70 (80)	130 (125)	
	Tetrachloroethene	20	24.2	ug/Kg	121			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	m/p-Xylenes	40	40.2	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.7	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	20.4	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	22.6	ug/Kg	113			70 (75)	130 (127)	
	Isopropylbenzene	20	18.9	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>VY023292.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0905SBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/Kg	93			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.4	ug/Kg	102			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3032	SW-846	Analytical Method:	SW8260D
Client:	Zuccaro Inc.	Datafile :	VY023293.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0905SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	7		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.1	ug/Kg	96	3		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.8	ug/Kg	104	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	22.5	ug/Kg	113	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.8	ug/Kg	104	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.6	ug/Kg	108	6		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111	7		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	3		70 (79)	130 (121)	30 (20)
	Acetone	100	140	ug/Kg	140	7		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	19.0	ug/Kg	95	2		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	19.2	ug/Kg	96	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.3	ug/Kg	97	4		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.1	ug/Kg	106	7		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.1	ug/Kg	101	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.0	ug/Kg	90	5		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.6	ug/Kg	113	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	5		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.0	ug/Kg	100	5		70 (77)	130 (123)	30 (20)
	Benzene	20	21.5	ug/Kg	108	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.1	ug/Kg	106	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	23.6	ug/Kg	118	5		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.5	ug/Kg	108	7		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.0	ug/Kg	110	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	3		40 (70)	160 (135)	30 (20)
	Toluene	20	21.7	ug/Kg	109	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	23.4	ug/Kg	117	3		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.8	ug/Kg	114	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	25.7	ug/Kg	129	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.8	ug/Kg	109	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.6	ug/Kg	103	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.5	ug/Kg	106	5		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.8	ug/Kg	104	5		70 (83)	130 (123)	30 (20)
	Styrene	20	21.4	ug/Kg	107	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	23.2	ug/Kg	116	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	7		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	8		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	22.0	ug/Kg	110	10		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.1	ug/Kg	111	8		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>VY023293.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0905SBSD01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105	12		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.2	ug/Kg	106	5		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.5	ug/Kg	108	6		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0905SBL01

Lab Name: Alliance

Contract: ZUCC01

Lab Code: ACE

SDG NO.: Q3032

Lab File ID: VY023291.D

Lab Sample ID: VY0905SBL01

Date Analyzed: 09/05/2025

Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0905SBS01	VY0905SBS01	VY023292.D	09/05/2025
VY0905SBSD01	VY0905SBSD01	VY023293.D	09/05/2025
SOIL-PILE-1	Q3032-03	VY023298.D	09/05/2025
SOIL-PILE-2	Q3032-06	VY023299.D	09/05/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ZUCC01

Lab Code: ACE

SDG NO.: Q3032

Lab File ID: VY023048.D

BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:26

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023050.D	08/12/2025	14:54
VSTDIC010	VSTDIC010	VY023051.D	08/12/2025	15:17
VSTDIC020	VSTDIC020	VY023052.D	08/12/2025	15:40
VSTDIC050	VSTDIC050	VY023053.D	08/12/2025	16:02
VSTDIC100	VSTDIC100	VY023054.D	08/12/2025	16:25
VSTDIC150	VSTDIC150	VY023055.D	08/12/2025	16:47

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ZUCC01

Lab Code: ACE

SDG NO.: Q3032

Lab File ID: VY023289.D

BFB Injection Date: 09/05/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:35

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.1
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91 (96.7) 1
177	5.0 - 9.0% of mass 176	5.8 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023290.D	09/05/2025	09:44
VY0905SBL01	VY0905SBL01	VY023291.D	09/05/2025	10:20
VY0905SBS01	VY0905SBS01	VY023292.D	09/05/2025	10:52
VY0905SBSD01	VY0905SBSD01	VY023293.D	09/05/2025	11:14
SOIL-PILE-1	Q3032-03	VY023298.D	09/05/2025	15:01
SOIL-PILE-2	Q3032-06	VY023299.D	09/05/2025	15:25

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ZUCC01
Lab Code: ACE SDG NO.: Q3032
Lab File ID: VY023290.D Date Analyzed: 09/05/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:44
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	501956	7.71	731150	8.62	649223	11.41
UPPER LIMIT	1003910	8.207	1462300	9.116	1298450	11.914
LOWER LIMIT	250978	7.207	365575	8.116	324612	10.914
EPA SAMPLE NO.						
SOIL-PILE-1	582850	7.71	1102138	8.62	1012716	11.41
SOIL-PILE-2	570597	7.71	1070253	8.62	982616	11.41
VY0905SBL01	596430	7.71	1122765	8.62	1037616	11.41
VY0905SBS01	459154	7.71	698662	8.62	626042	11.41
VY0905SBSD01	450289	7.71	676614	8.62	602095	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3032</u>
Lab File ID:	<u>VY023290.D</u>	Date Analyzed:	<u>09/05/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	340704	13.346				
UPPER LIMIT	681408	13.846				
LOWER LIMIT	170352	12.846				
EPA SAMPLE NO.						
SOIL-PILE-1	418128	13.35				
SOIL-PILE-2	401855	13.35				
VY0905SBL01	426836	13.35				
VY0905SBS01	326298	13.35				
VY0905SBSD01	311021	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (17) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	596000	7.707			
540-36-3	1,4-Difluorobenzene	1120000	8.615			
3114-55-4	Chlorobenzene-d5	1040000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	427000	13.346			

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.9		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.8		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (17) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	459000	7.707			
540-36-3	1,4-Difluorobenzene	699000	8.615			
3114-55-4	Chlorobenzene-d5	626000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	326000	13.346			

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	23.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	25.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.8		0.82	5.00	ug/Kg
100-42-5	Styrene	21.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	23.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		70 (70) - 130 (134)	112%	SPK: 50
2037-26-5	Toluene-d8	54.3		70 (74) - 130 (123)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	450000	7.707			
540-36-3	1,4-Difluorobenzene	677000	8.616			
3114-55-4	Chlorobenzene-d5	602000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	311000	13.346			

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY023050.D		RRF010 = VY023051.D		RRF020 = VY023052.D		
		RRF050 = VY023053.D		RRF100 = VY023054.D		RRF150 = VY023055.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1
Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.4
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1
Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.4
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8
Bromochloromethane	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.9
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8
Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.3
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>14:54</u> <u>16:47</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY023050.D		RRF010 = VY023051.D		RRF020 = VY023052.D		
		RRF050 = VY023053.D		RRF100 = VY023054.D		RRF150 = VY023055.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>09/05/2025 09:44</u>
Lab File ID:	<u>VY023290.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54 16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.329		-19.36	20
Chloromethane	0.661	0.530	0.1	-19.82	20
Vinyl Chloride	0.817	0.724		-11.38	20
Bromomethane	0.610	0.562		-7.87	20
Chloroethane	0.543	0.507		-6.63	20
Trichlorofluoromethane	0.994	0.962		-3.22	20
1,1,2-Trichlorotrifluoroethane	0.490	0.502		2.45	20
1,1-Dichloroethene	0.482	0.464		-3.73	20
Acetone	0.103	0.105		1.94	20
Carbon Disulfide	1.571	1.345		-14.39	20
Methyl tert-butyl Ether	1.249	1.170		-6.32	20
Methyl Acetate	0.307	0.282		-8.14	20
Methylene Chloride	0.620	0.519		-16.29	20
trans-1,2-Dichloroethene	0.541	0.536		-0.92	20
1,1-Dichloroethane	0.942	0.888	0.1	-5.73	20
Cyclohexane	0.888	0.750		-15.54	20
2-Butanone	0.140	0.131		-6.43	20
Carbon Tetrachloride	0.483	0.547		13.25	20
cis-1,2-Dichloroethene	0.626	0.621		-0.8	20
Bromochloromethane	0.374	0.332		-11.23	20
Chloroform	0.971	0.969		-0.21	20
1,1,1-Trichloroethane	0.862	0.872		1.16	20
Methylcyclohexane	0.586	0.610		4.1	20
Benzene	1.370	1.445		5.47	20
1,2-Dichloroethane	0.356	0.362		1.68	20
Trichloroethene	0.354	0.402		13.56	20
1,2-Dichloropropane	0.315	0.325		3.17	20
Bromodichloromethane	0.466	0.507		8.8	20
4-Methyl-2-Pentanone	0.195	0.197		1.03	20
Toluene	0.870	0.952		9.43	20
t-1,3-Dichloropropene	0.422	0.440		4.26	20
cis-1,3-Dichloropropene	0.499	0.525		5.21	20
1,1,2-Trichloroethane	0.242	0.270		11.57	20
2-Hexanone	0.133	0.141		6.01	20
Dibromochloromethane	0.320	0.367		14.69	20
1,2-Dibromoethane	0.228	0.249		9.21	20
Tetrachloroethene	0.446	0.541		21.3	20
Chlorobenzene	1.079	1.178	0.3	9.18	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>09/05/2025 09:44</u>
Lab File ID:	<u>VY023290.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>14:54 16:47</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	2.009		8.24	20
m/p-Xylenes	0.725	0.805		11.03	20
o-Xylene	0.679	0.753		10.9	20
Styrene	1.110	1.265		13.96	20
Bromoform	0.214	0.249	0.1	16.35	20
Isopropylbenzene	3.529	3.766		6.72	20
1,1,2,2-Tetrachloroethane	0.603	0.599	0.3	-0.66	20
1,3-Dichlorobenzene	1.660	1.808		8.92	20
1,4-Dichlorobenzene	1.647	1.771		7.53	20
1,2-Dichlorobenzene	1.456	1.589		9.14	20
1,2-Dibromo-3-Chloropropane	0.094	0.096		2.13	20
1,2,4-Trichlorobenzene	0.861	0.965		12.08	20
1,2,3-Trichlorobenzene	0.742	0.837		12.8	20
1,2-Dichloroethane-d4	0.477	0.413		-13.42	20
Dibromofluoromethane	0.299	0.309		3.34	20
Toluene-d8	1.169	1.170		0.09	20
4-Bromofluorobenzene	0.376	0.381		1.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.